BOSTER BIOLOGICAL TECHNOLOGY
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Human recombinant CXCL5 (C-X-C motif chemokine 5) protein, AF

Catalog Number: PROTP42830-4

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Overview

Product Name	Human recombinant CXCL5 (C-X-C motif chemokine 5) protein, AF
Description	C-X-C motif chemokine 5 (CXCL5) also named epithelial-derived neutrophil-activating peptide 78 (ENA-78), which is a chemokine of the intercrine alpha family. CXCL5 is a 8kDa protein containing 70 amino acid residues. CXCL5 is stimulated by the IL-1 or TNFalpha during inflammation which produced by the eosinophils and CXCL5 is inhibited by the IFNgamma. CXCL5 promotes the formation of blood vessels and angiogenesis by binding the cell receptor CXCR2.
Size	5ug,20ug,100ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 8.51 kDa. The protein migrates as 12 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED_{50} for this effect is <10 ng/mL.

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Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

RELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNGKEICLDPEAPFLKKVIQKILDGGNKEN with polyhistidine tag at the N-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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Usage

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